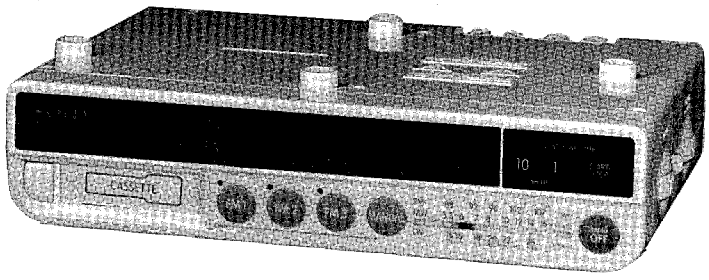
ICF-C560L

SERVICE MANUAL

AEP Model



SPECIFICATIONS

Frequency coverage
FM: 87.6 - 107.5 MHz
MW: 531 - 1,602 kHz
LW: 153 - 255 kHz

Antennas FM: AC power cord antenna
MW/LW: Built-in ferrite bar antenna

Speaker Approx. 7.7 cm (3 inches) dia.

Power output
Radio section: 450 mW
Player section: 250 mW

Power requirements
220 V AC, 50 Hz
9 V DC, one 6F22 battery for power back-up

Battery life
Approx. 80 hours, using the Sony battery S-006P (U)

Power consumption
8 W

Dimensions
Approx. 287 × 75 × 209 mm (11 3/8 × 3 × 8 1/4 inches) (w/h/d) incl. projecting parts and controls

Weight Approx. 1.5 kg (3 lb 5 oz)

Accessories supplied
Spacer (4)
Mounting screw (4)
Template (1)
Cord clamp (1)

Design and specifications subject to change without notice.

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MF-C560, M

Features

- This space saving radio can be easily installed under the kitchen cupboard, etc.
- You can preset 3 FM stations with easy tuning and usage.
- The countdown timer lets you know when the preset time has come.
- You can play back the cassette tapes in monaural sound.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

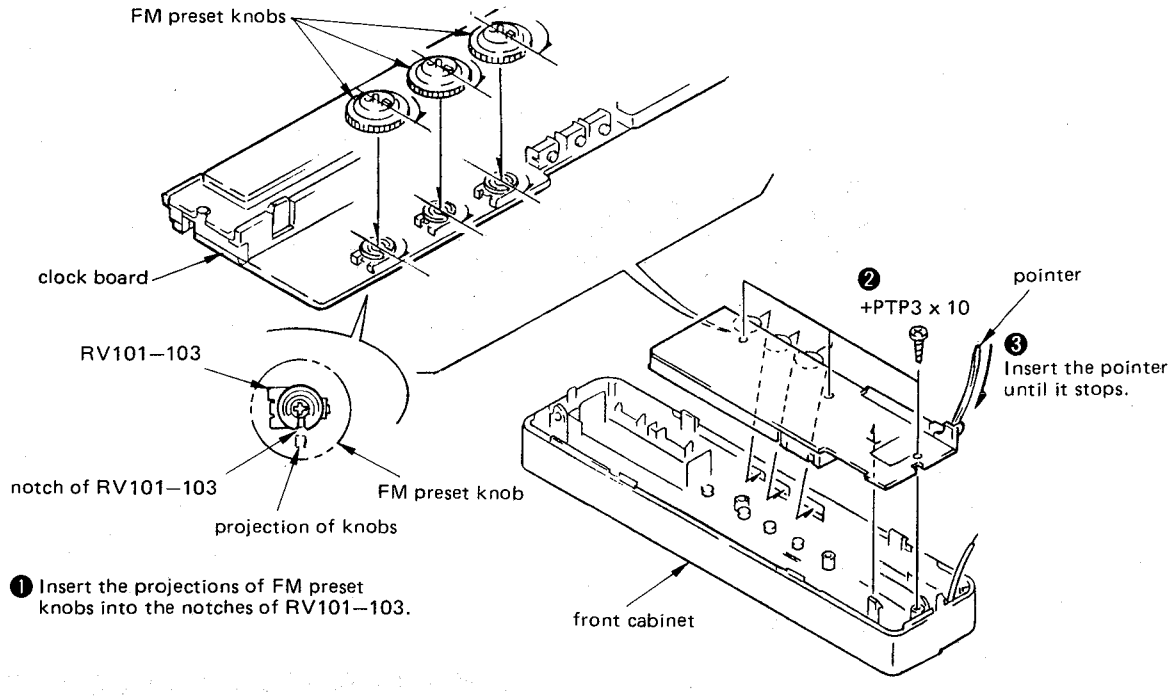
FM/MW/LW 3 BAND KITCHEN RADIO

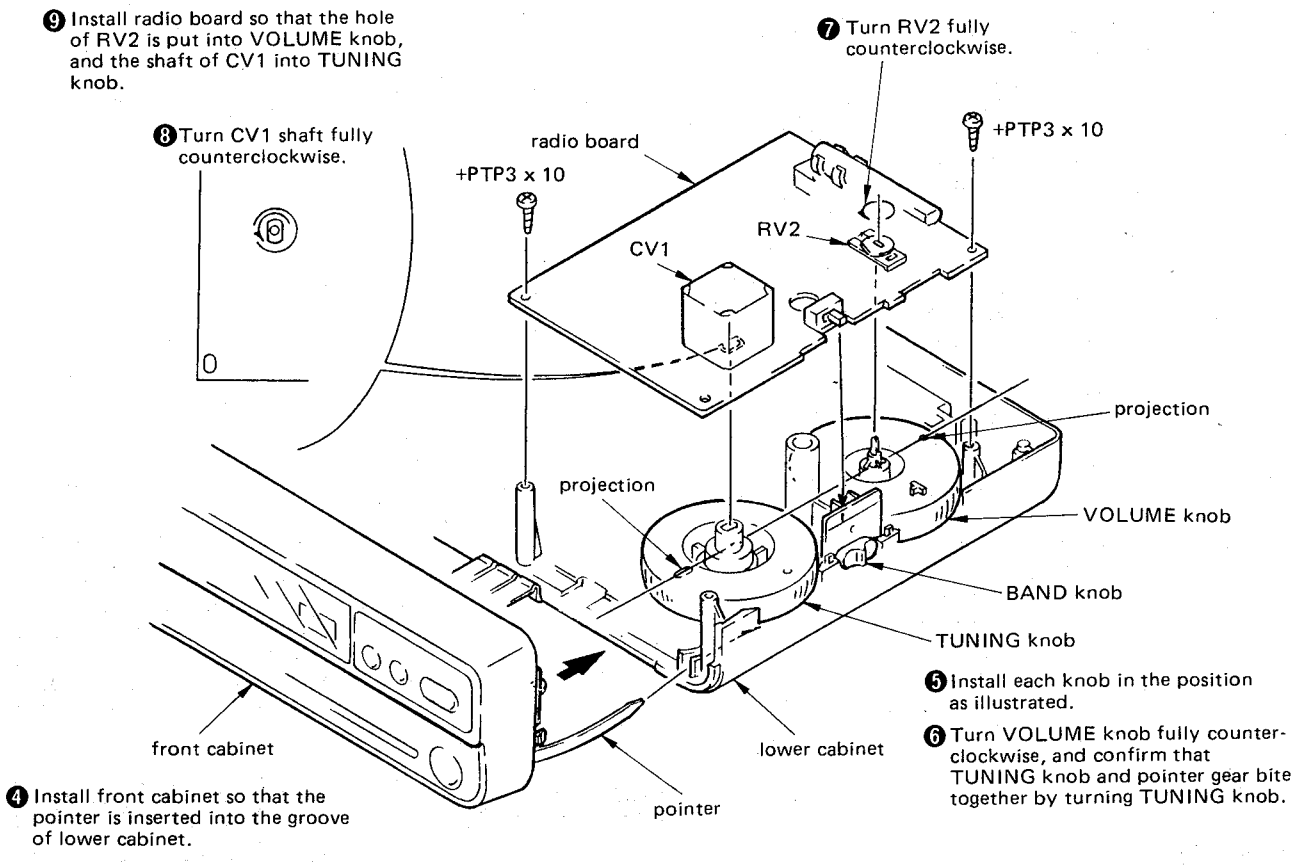
SONY®

MICROFILM

SECTION 1
DIAL POINTER SETTING

Note: Follow the installing procedure in the numerical order given.




❾ Install radio board so that the hole of RV2 is put into VOLUME knob, and the shaft of CV1 into TUNING knob.
❼ Turn RV2 fully counterclockwise.
❽ Turn CV1 shaft fully counterclockwise.
radio board
+PTP3 x 10
+PTP3 x 10
RV2
CV1
projection
projection
VOLUME knob
BAND knob
TUNING knob
❺ Install each knob in the position as illustrated.
❻ Turn VOLUME knob fully counterclockwise, and confirm that TUNING knob and pointer gear bite together by turning TUNING knob.
front cabinet
lower cabinet
pointer
❹ Install front cabinet so that the pointer is inserted into the groove of lower cabinet.

SECTION 2
ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENT

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head — pinch roller
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.

Torque Measurement

Torque	Meter Reading	Torque Meter
Forward	35–75g·cm (0.49–1.04oz·inch)	CQ-102C
Fast Forward	35–75g·cm (0.49–1.04oz·inch)	CQ-201B

Tape Tension Measurement

Meter	Meter Reading
CQ-403A	more than 80g (2.82oz)

2-2. ELECTRICAL ADJUSTMENTS

2-2-1. TAPE RECORDER SECTION

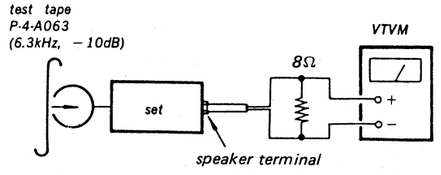
- **Test Tape**

Type	Signal	Used for
P-4-A063	6.3 kHz, –10 dB	head azimuth adjustment
WS-48A	3 kHz, 0 dB	tape speed adjustment

Playback Head Azimuth Adjustment

Setting:
VOLUME control: mechanical center

Procedure:
1. Mode: playback

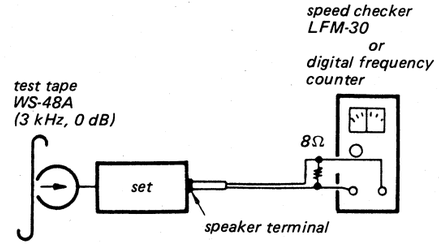


2. Turn the adjustment screw for the maximum output levels.

TAPE SPEED ADJUSTMENT

Setting:
VOLUME control: mechanical center

Procedure:
Mode: playback

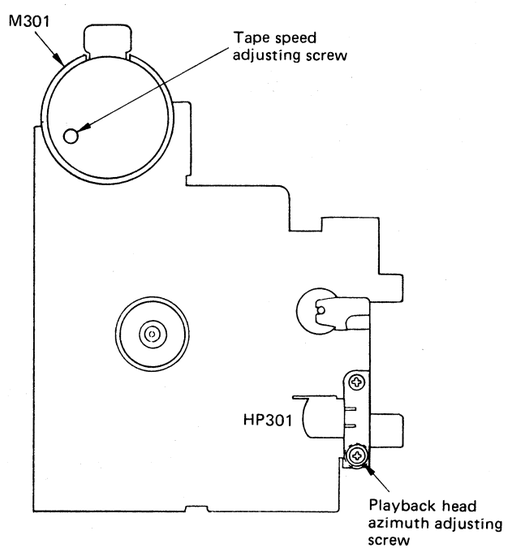


Adjustment Value:

Speed checker	Digital frequency counter
±3%	2,910 to 3,090 Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30 Hz).

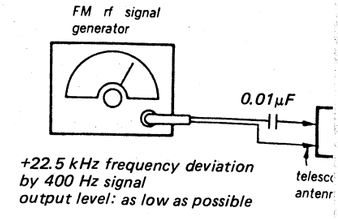
Adjustment Location:



2-2-2. RADIO SECTION

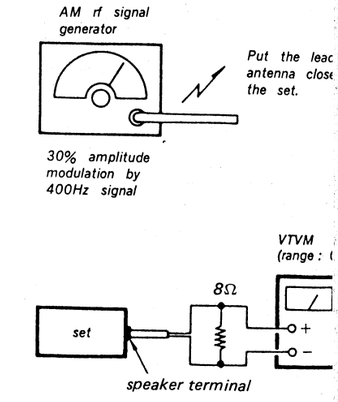
- **FM Section**

Setting:
BAND switch: FM



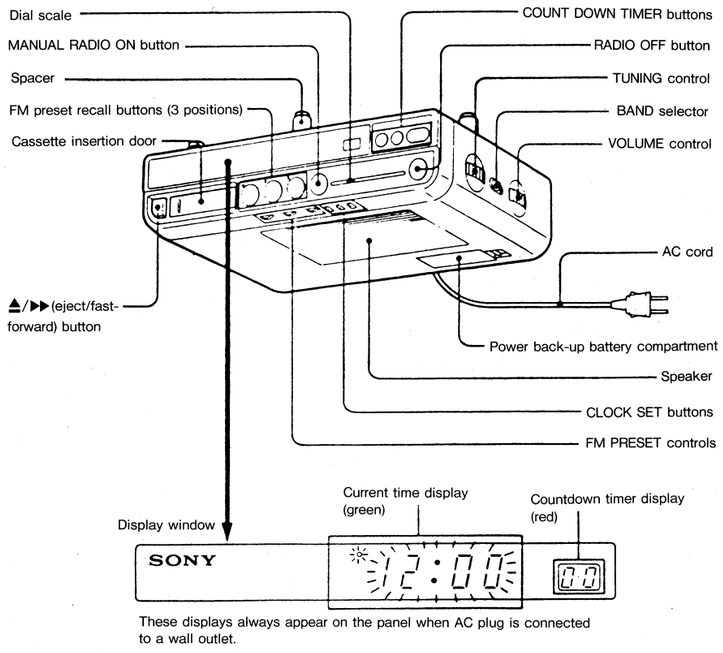
- **AM Section**

Setting:
BAND switch: MW or LW



- Repeat the procedures in each adjustment se
the frequency coverage and tracking adjustr
finally done by the trimmer capacitors.

Location and Function of Controls



These displays always appear on the panel when AC plug is connected to a wall outlet.

r

speed checker
LFM-30
or
digital frequency
counter

3Ω

inal

quency counter
to 3,090 Hz

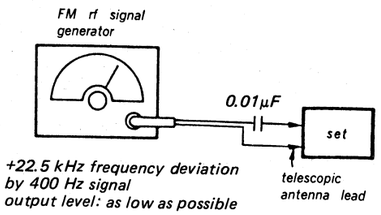
nning and the end of

2-2-2. RADIO SECTION

• FM Section

Setting :

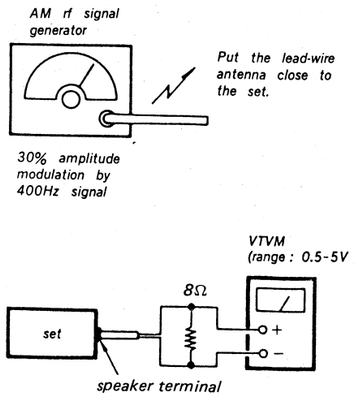
BAND switch: FM


FM rf signal generator
0.01μF
set
+22.5 kHz frequency deviation by 400 Hz signal output level: as low as possible
telescopic antenna lead

• AM Section

Setting :

BAND switch: MW or LW



• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

Playback head azimuth adjusting screw

AM IF ADJUSTMENT
Adjust for a maximum reading on VTVM.
T1
455 kHz

MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L5	CT3
520 kHz	1,650 kHz

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2-1	CT1
600 kHz	1,400 kHz

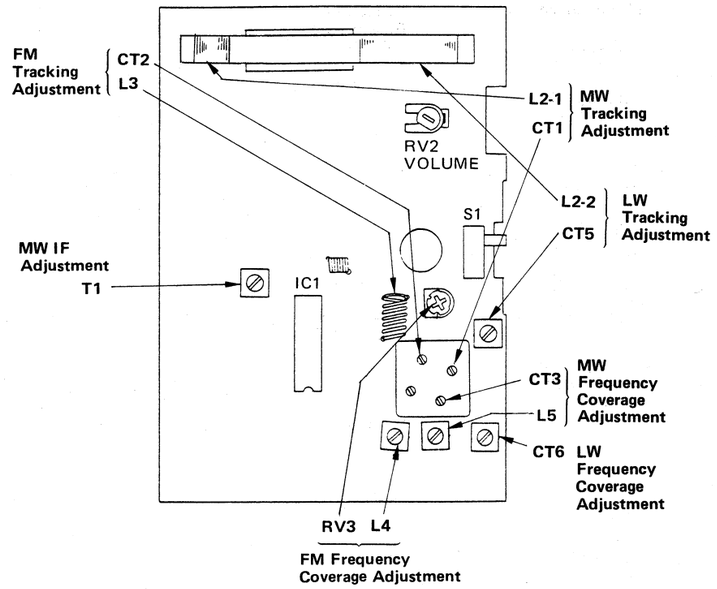
LW FREQUENCY COVERAGE ADJUSTMENT
Adjust for a maximum reading on VTVM.
CT6
145 kHz

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2-2	CT5
160 kHz	240 kHz

FM FREQUNCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
RV3	L4
87.35 MHz	107.9 MHz

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	CT2
87.35 MHz	107.9 MHz

Adjustment Location: radio board

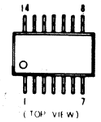


SECTION 3
DIAGRAMS

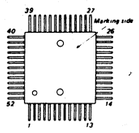
3-1. SCHEMATIC DIAGRAM

- **Semiconductor Lead Layouts**

SN74HC02NS



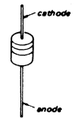
μPD65012



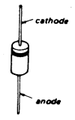
2SA1175HFE
2SC2785HFE

2SD773

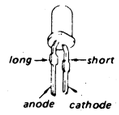
RD5.6ES-B2
RD6.2ES-B1
1SS119



10E2

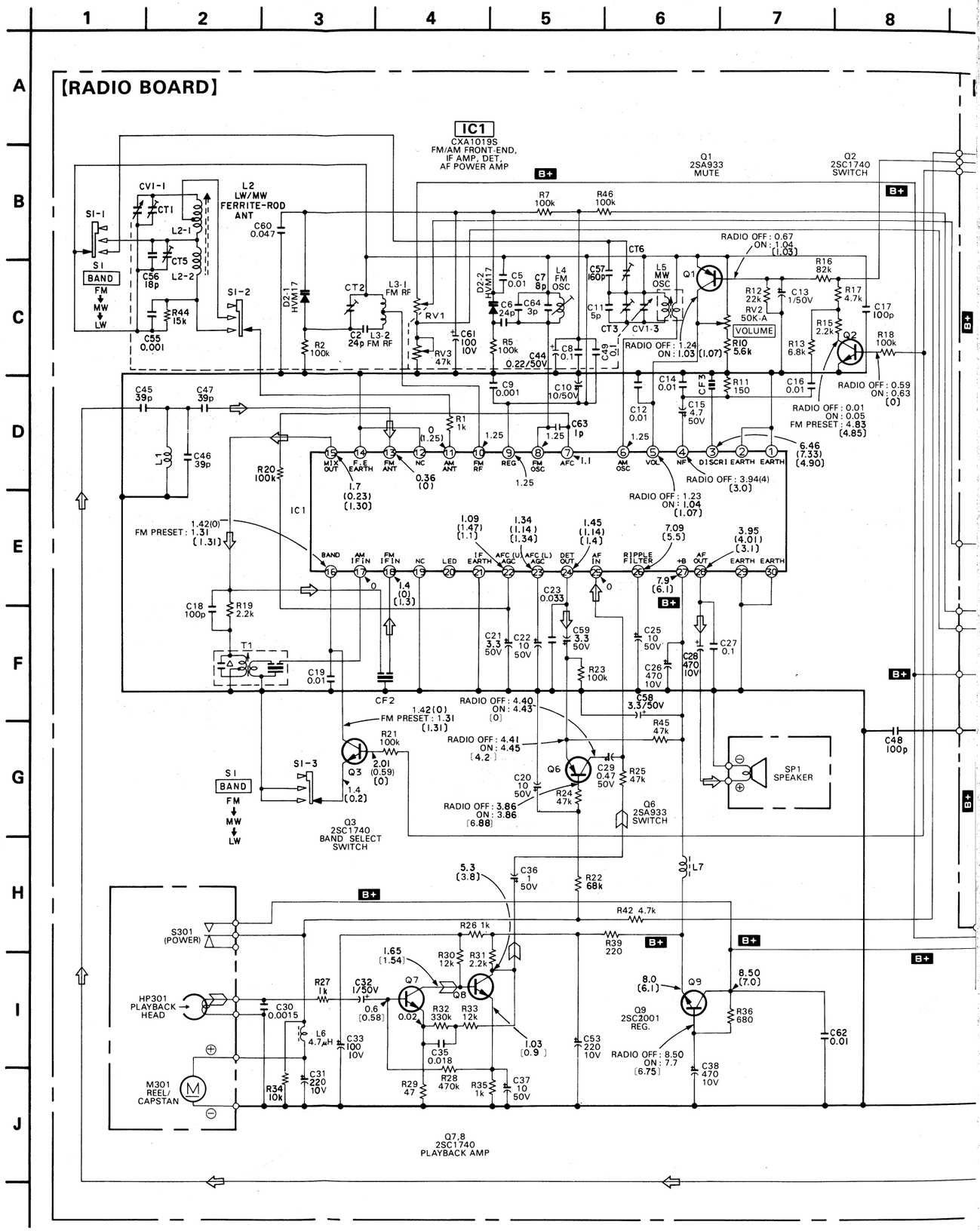


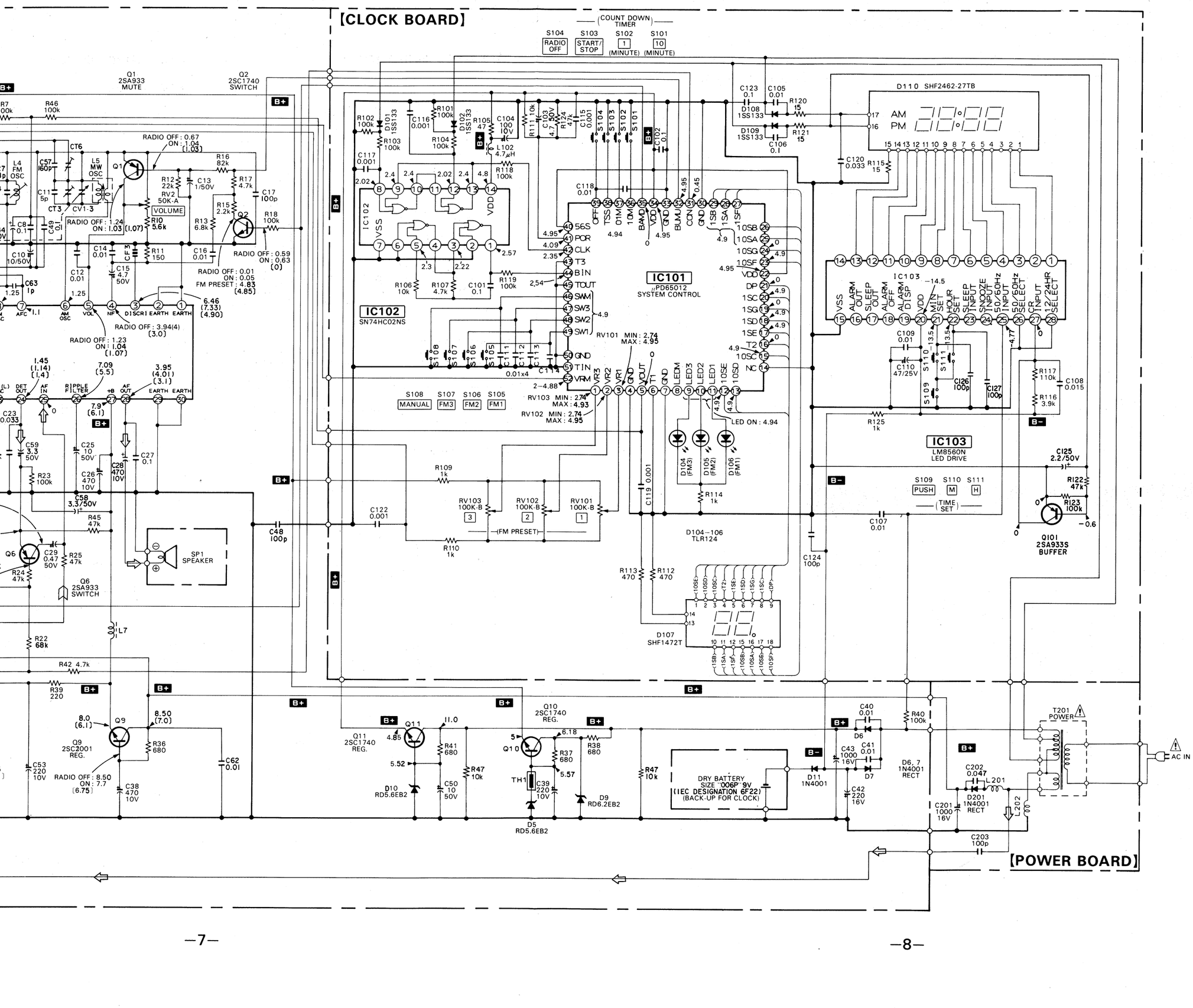
TLR124

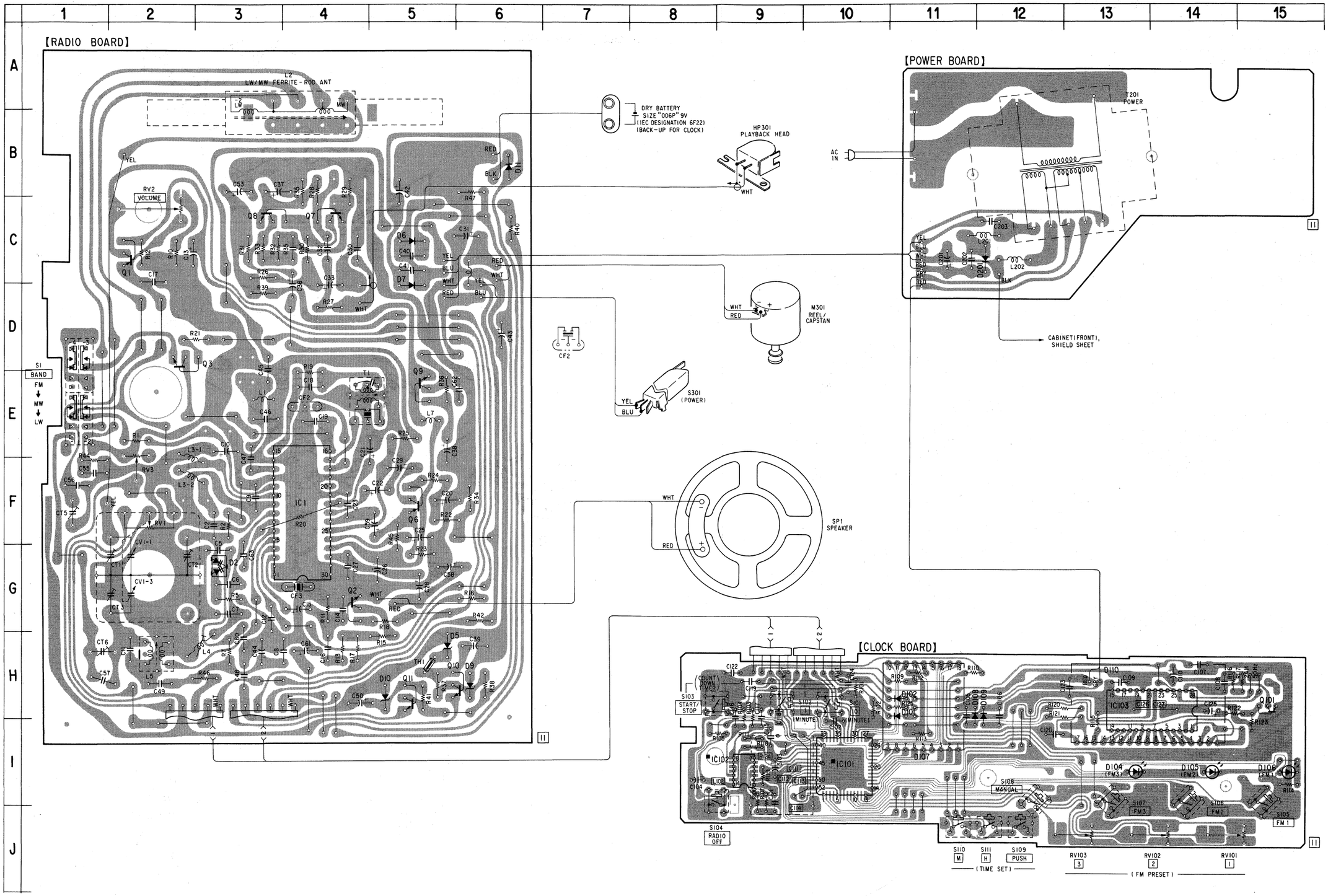


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : MW/LW
  [ ] : PB
- Voltages are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇦ : PB




[CLOCK BOARD]
[POWER BOARD]
IC101
μPD65012
SYSTEM CONTROL
IC102
SN74HC02NS
IC103
LM8560N
LED DRIVE
D110 SHF2462-27TB
D107
SHF1472T
D104–106
TLR124
Q101
2SA933S
BUFFER
Q1
2SA933
MUTE
Q2
2SC1740
SWITCH
Q6
2SA933
SWITCH
Q9
2SC2001
REG.
Q10
2SC1740
REG.
Q11
2SC1740
REG.
SP1
SPEAKER
DRY BATTERY
SIZE "006P" 9V
(IEC DESIGNATION 6F22)
(BACK-UP FOR CLOCK)
AC IN
COUNT DOWN TIMER
S104 RADIO OFF
S103 START/STOP
S102 1 (MINUTE)
S101 10 (MINUTE)
S108 MANUAL
S107 FM3
S106 FM2
S105 FM1
S109 PUSH
S110 M
S111 H
TIME SET
FM PRESET
VOLUME
RV101 MIN: 2.74 MAX: 4.95
RV102 MIN: 2.74 MAX: 4.95
RV103 MIN: 2.74 MAX: 4.93
LED ON: 4.94
RADIO OFF: 0.67 ON: 1.04 (1.03)
RADIO OFF: 1.24 ON: 1.03 (1.07)
RADIO OFF: 1.23 ON: 1.04 (1.07)
RADIO OFF: 0.01 ON: 0.05 FM PRESET: 4.83 (4.85)
RADIO OFF: 0.59 ON: 0.63 (0)
RADIO OFF: 3.94(4) (3.0)
RADIO OFF: 8.50 ON: 7.7 [6.75]
6.46 (7.33) (4.90)
1.45 (1.14) (1.4)
7.09 (5.5)
3.95 (4.01) (3.1)
7.9 (6.1)
8.0 (6.1)
8.50 (7.0)
11.0
B+
B−



• Semiconductor Location

Ref. No.	Location
D2	G-3
D5	H-5
D6	C-5
D7	D-5
D9	H-6
D10	H-5
D11	B-6
D101	H-11
D102	H-11
D104	I-13
D105	I-14
D106	I-15
D107	H-11
D108	H-11
D109	H-12
D110	H-13
D201	C-12
IC1	F-4
IC101	I-10
IC102	I-9
IC103	H-13
Q1	C-2
Q2	G-4
Q3	D-2
Q6	F-5
Q7	C-4
Q8	C-3
Q9	E-5
Q10	H-5
Q11	H-5
Q101	H-15

Note on Printed Wiring Board:

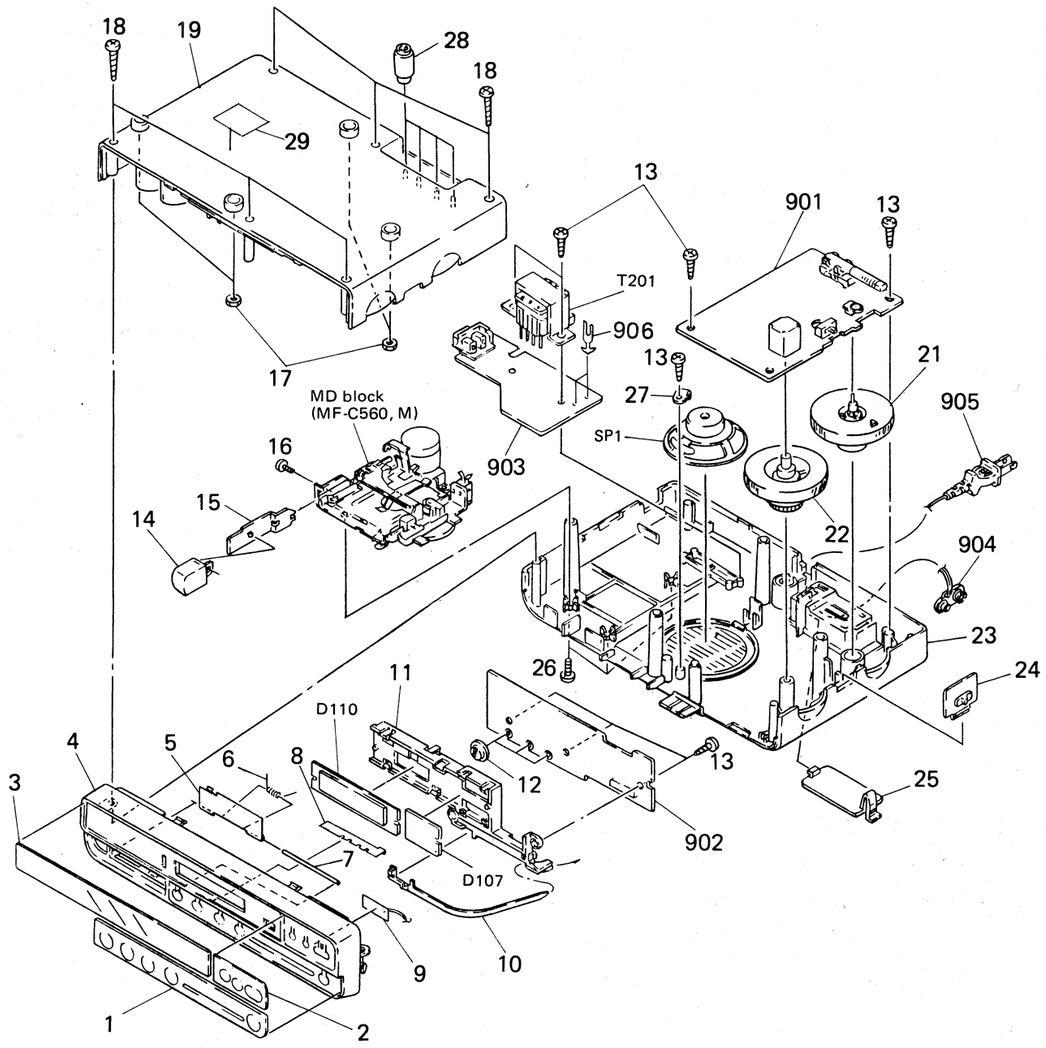
- ○——— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.

SECTION 4
EXPLODED VIEWS

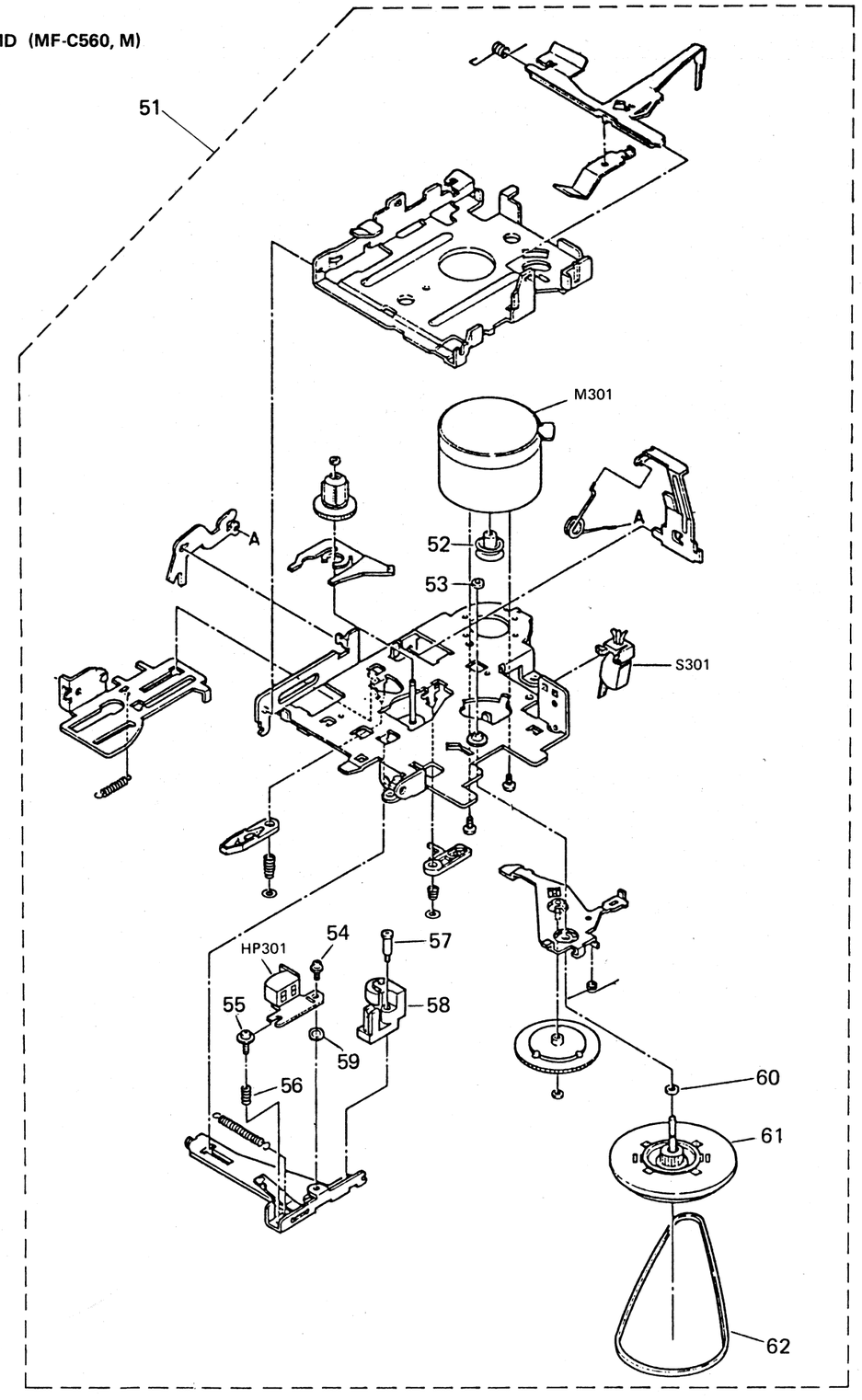
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.

(1) CABINET



(2) MD (MF-C560, M)



SECTION 5
MECHANICAL PARTS LIST

NOTE:

- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remarks
1	3-901-776-41	SHEET (B), ORNAMENTAL	
2	3-901-775-01	SHEET (A), ORNAMENTAL	
3	3-901-778-01	PLATE, ORNAMENTAL	
4	3-901-786-11	CABINET (FRONT)	
5	3-901-763-11	LID, CASSETTE	
6	3-901-762-01	SPRING, TORSION	
7	3-901-781-01	SHAFT	
8	*3-902-067-02	FOIL (D), SHIELD	
9	*3-902-066-01	FOIL (C), SHIELD	
10	3-901-767-01	POINTER	
11	*3-901-785-01	CHASSIS	
12	3-901-772-11	KNOB (FM PRESET)	
13	7-685-647-79	SCREW +P 3X10 TYPE2 NON-SLIT	
14	3-901-768-11	BUTTON (EJECT)	
15	*3-901-766-01	LEVER	
16	3-902-077-01	SCREW (+B) (2X3), STEP	
17	7-684-025-04	N 5, TYPE 2	
18	7-685-149-11	SCREW +P 3X14 TYPE2 NON-SLIT	
19	3-901-787-11	CABINET (UPPER)	
21	3-901-774-11	KNOB (VOLUME)	
22	3-901-773-11	KNOB (TUNING)	
23	3-901-784-11	CABINET (LOWER)	
24	3-901-771-11	KNOB (BAND)	
25	3-901-769-11	LID, BATTERY CASE	
26	7-682-148-15	SCREW +P 3X8	
27	3-593-019-00	CLAW, SPEAKER	
28	3-901-770-11	SPACER, FITTING	
29	*3-901-756-01	LABEL, MODEL NUMBER	
901	*A-3806-036-A	MOUNTED PCB, RADIO	
902	*1-630-161-11	PC BOARD, CLOCK	
903	*1-630-162-11	PC BOARD, POWER	
904	1-535-253-00	SNAP, BATTERY	
905	⚠1-555-795-00	CORD, POWER	
906	1-535-476-11	TERMINAL	
D107	8-719-975-66	DIODE SHF-1472T	
D110	8-719-974-85	DIODE SHF-2462-27TB	
SP1	1-503-680-11	SPEAKER	
T201	⚠1-449-601-11	TRANSFORMER, POWER	

No.	Part No.	Description	Remarks
51	A-3013-388-A	DECK ASSY, MECHANICAL (MF-C560,M)	
52	3-986-410-01	MOTOR PULLEY	
53	3-986-409-01	HL WASHER CUT 1.5X3.2X0.5	
54	3-986-402-01	TAMS SCREW M2X4	
55	3-986-403-01	AZIMUTH SCREW M2X8	
56	3-986-401-01	AZIMUTH SPRING	
57	3-986-404-01	PARM COLLAR SCREW	
58	3-986-405-01	PINCH ROLLER ASSY	
59	3-986-406-01	WASHER 2X5X0.3	
60	3-986-408-01	HL WASHER 2.1X3.8X0.2	
61	3-986-407-01	FLYWHEEL ASSY	
62	3-986-411-01	MAIN BELT	
HP301	1-543-625-21	HEAD, MAGNETIC	
M301	1-541-661-11	MOTOR, DC	
S301	1-571-922-11	SWITCH, LEAF	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
901	*A-3806-036-A	MOUNTED PCB, RADIO			
902	*1-630-161-11	PC BOARD, CLOCK			
903	*1-630-162-11	PC BOARD, POWER			
904	1-535-253-00	SNAP, BATTERY			
905	⚠1-555-795-00	CORD, POWER			
906	1-535-476-11	TERMINAL			
C2	1-102-960-00	CERAMIC	24PF	5%	50V
C5	1-161-379-00	CERAMIC	0.01MF	30%	16V
C6	1-102-960-00	CERAMIC	24PF	5%	50V
C7	1-102-945-00	CERAMIC	8PF	10%	50V
C8	1-162-851-11	CERAMIC	0.1MF	20%	16V
C9	1-162-294-31	CERAMIC	0.001MF	10%	50V
C10	1-123-875-11	ELECT	10MF	20%	50V
C11	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C12	1-161-379-00	CERAMIC	0.01MF	30%	16V
C13	1-124-499-11	ELECT	1MF	20%	50V
C14	1-161-379-00	CERAMIC	0.01MF	30%	16V
C15	1-124-927-11	ELECT	4.7MF	20%	50V
C16	1-161-379-00	CERAMIC	0.01MF	30%	16V
C17	1-162-282-31	CERAMIC	100PF	10%	50V
C18	1-162-282-31	CERAMIC	100PF	10%	50V
C19	1-161-379-00	CERAMIC	0.01MF	30%	16V
C20	1-123-875-11	ELECT	10MF	20%	50V
C21	1-123-382-00	ELECT	3.3MF	20%	50V
C22	1-123-875-11	ELECT	10MF	20%	50V
C23	1-161-057-00	CERAMIC	0.033MF	10%	25V
C25	1-123-875-11	ELECT	10MF	20%	50V
C26	1-124-472-11	ELECT	470MF	20%	10V
C27	1-162-851-11	CERAMIC	0.1MF	20%	16V
C28	1-124-472-11	ELECT	470MF	20%	10V
C29	1-124-902-00	ELECT	0.47MF	20%	50V
C30	1-161-374-11	CERAMIC	0.0015MF	20%	16V
C31	1-126-176-11	ELECT	220MF	20%	10V
C32	1-124-499-11	ELECT	1MF	20%	50V
C33	1-124-443-00	ELECT	100MF	20%	10V
C35	1-161-054-00	CERAMIC	0.018MF	10%	25V
C36	1-124-499-11	ELECT	1MF	20%	50V
C37	1-123-875-11	ELECT	10MF	20%	50V
C38	1-124-472-11	ELECT	470MF	20%	10V
C39	1-126-176-11	ELECT	220MF	20%	10V
C40	1-101-004-00	CERAMIC	0.01MF		50V
C41	1-101-004-00	CERAMIC	0.01MF		50V
C42	1-124-120-11	ELECT	220MF	20%	16V
C43	1-124-360-00	ELECT	1000MF	20%	16V

Ref.No.	Part No.	Description			
C44	1-124-464-11	ELECT	0.22MF	20%	50V
C45	1-162-213-31	CERAMIC	39PF	5%	50V
C46	1-162-213-31	CERAMIC	39PF	5%	50V
C47	1-162-213-31	CERAMIC	39PF	5%	50V
C48	1-162-282-31	CERAMIC	100PF	10%	50V
C49	1-162-851-11	CERAMIC	0.1MF	20%	16V
C50	1-123-875-11	ELECT	10MF	20%	50V
C53	1-126-176-11	ELECT	220MF	20%	10V
C55	1-162-294-31	CERAMIC	0.001MF	10%	50V
C56	1-162-205-31	CERAMIC	18PF	5%	50V
C57	1-103-706-00	POLYSTYRENE	160PF	5%	50V
C58	1-123-382-00	ELECT	3.3MF	20%	50V
C59	1-123-382-00	ELECT	3.3MF	20%	50V
C60	1-161-021-11	CERAMIC	0.047MF	10%	25V
C61	1-124-443-00	ELECT	100MF	20%	10V
C62	1-161-379-00	CERAMIC	0.01MF	30%	16V
C63	1-102-934-00	CERAMIC	1PF	0.25PF	50V
C101	1-162-851-11	CERAMIC	0.1MF	20%	16V
C102	1-162-851-11	CERAMIC	0.1MF	20%	16V
C103	1-124-927-11	ELECT	4.7MF	20%	50V
C104	1-124-443-00	ELECT	100MF	20%	10V
C105	1-161-379-00	CERAMIC	0.01MF	30%	16V
C106	1-162-851-11	CERAMIC	0.1MF	20%	16V
C107	1-161-379-00	CERAMIC	0.01MF	30%	16V
C108	1-130-485-00	MYLAR	0.015MF	5%	50V
C109	1-161-379-00	CERAMIC	0.01MF	30%	16V
C110	1-124-477-11	ELECT	47MF	20%	25V
C111	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C112	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C113	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C114	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C115	1-162-294-31	CERAMIC	0.001MF	10%	50V
C116	1-162-294-31	CERAMIC	0.001MF	10%	50V
C117	1-162-294-31	CERAMIC	0.001MF	10%	50V
C118	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C119	1-162-294-31	CERAMIC	0.001MF	10%	50V
C120	1-161-057-00	CERAMIC	0.033MF	10%	25V
C122	1-162-294-31	CERAMIC	0.001MF	10%	50V
C123	1-162-851-11	CERAMIC	0.1MF	20%	16V
C124	1-162-282-31	CERAMIC	100PF	10%	50V
C125	1-124-257-00	ELECT	2.2MF	20%	50V
C126	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C127	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C201	1-124-360-00	ELECT	1000MF	20%	16V
C202	1-161-021-11	CERAMIC	0.047MF	20%	25V
C203	1-162-282-31	CERAMIC	100PF	10%	50V

Ref.No.	Part No.	Description
CF2 CF3	1-567-538-71	FILTER, CERAMIC
CT5	1-141-245-00	CAP, VAR, TRIMMER
CT6	1-141-245-00	CAP, VAR, TRIMMER
CT1-3 CV1 RV1	1-151-645-11	CAP, VAR, POLYETHYLENE (VR)
D2	8-719-974-97	DIODE HVM17-A
D5	8-719-109-89	DIODE RD5.6ES-B2
D6	8-719-200-02	DIODE 10E-2
D7	8-719-200-02	DIODE 10E-2
D9	8-719-109-92	DIODE RD6.2ES-B1
D10	8-719-109-89	DIODE RD5.6ES-B2
D11	8-719-200-02	DIODE 10E-2
D101	8-719-911-19	DIODE 1SS119
D102	8-719-911-19	DIODE 1SS119
D104	8-719-812-41	DIODE TLR124 (LED)
D105	8-719-812-41	DIODE TLR124 (LED)
D106	8-719-812-41	DIODE TLR124 (LED)
D107	8-719-975-66	DIODE SHF-1472T
D108	8-719-911-19	DIODE 1SS119
D109	8-719-911-19	DIODE 1SS119
D110	8-719-974-85	DIODE SHF-2462-27TB
D201	8-719-200-02	DIODE 10E-2
HP301	1-543-625-21	HEAD, MAGNETIC (PLAYBACK)
IC1	8-752-035-29	IC CXA1019S
IC101	8-759-144-39	IC UPD65012GC-U00-3B6
IC102	8-759-925-72	IC SN74HC02NS
IC103	8-759-821-46	IC LM8560N
L1	1-401-228-00	ANTENNA COIL
L2	1-402-276-11	ANTENNA, FERRITE-ROD (MW/LW)
L3-1	*1-420-966-00	COIL, AIR-CORE
L3-2	*1-420-966-00	COIL, AIR-CORE
L4	1-460-025-11	COIL (WITH CORE)
L5	1-406-028-00	COIL, OSC (MW)
L6	1-410-324-11	INDUCTOR 4.7UH
L7	1-410-294-11	INDUCTOR, MICRO
L102	1-410-200-31	INDUCTOR CHIP 4.7UH
L201	*1-422-229-11	COIL, AIR-CORE
L202	*1-422-229-11	COIL, AIR-CORE
M301	1-541-661-11	MOTOR, DC

Ref.No.	Part No.	Description			
Q1	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q2	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q3	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q6	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q7	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q8	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q9	8-729-177-32	TRANSISTOR 2SD773			
Q10	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q11	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q101	8-729-119-76	TRANSISTOR 2SA1175-HFE			
R1	1-249-417-11	CARBON	1K	5%	1/4W
R2	1-249-441-11	CARBON	100K	5%	1/4W
R5	1-249-441-11	CARBON	100K	5%	1/4W
R7	1-249-441-11	CARBON	100K	5%	1/4W
R10	1-249-426-11	CARBON	5.6K	5%	1/4W
R11	1-249-407-11	CARBON	150	5%	1/4W
R12	1-249-433-11	CARBON	22K	5%	1/4W
R13	1-249-427-11	CARBON	6.8K	5%	1/4W
R15	1-249-421-11	CARBON	2.2K	5%	1/4W
R16	1-249-440-11	CARBON	82K	5%	1/4W
R17	1-249-425-11	CARBON	4.7K	5%	1/4W
R18	1-249-441-11	CARBON	100K	5%	1/4W
R19	1-249-421-11	CARBON	2.2K	5%	1/4W
R20	1-249-441-11	CARBON	100K	5%	1/4W
R21	1-249-441-11	CARBON	100K	5%	1/4W
R22	1-249-439-11	CARBON	68K	5%	1/4W
R23	1-249-441-11	CARBON	100K	5%	1/4W
R24	1-249-437-11	CARBON	47K	5%	1/4W
R25	1-249-433-11	CARBON	22K	5%	1/4W
R26	1-249-417-11	CARBON	1K	5%	1/4W
R27	1-249-417-11	CARBON	1K	5%	1/4W
R28	1-247-895-00	CARBON	470K	5%	1/4W
R29	1-249-401-11	CARBON	47	5%	1/4W
R30	1-249-430-11	CARBON	12K	5%	1/4W
R31	1-249-421-11	CARBON	2.2K	5%	1/4W
R32	1-247-891-00	CARBON	330K	5%	1/4W
R33	1-249-430-11	CARBON	12K	5%	1/4W
R34	1-249-429-11	CARBON	10K	5%	1/4W
R35	1-249-417-11	CARBON	1K	5%	1/4W
R36	1-249-415-11	CARBON	680	5%	1/4W
R37	1-249-415-11	CARBON	680	5%	1/4W
R38	1-249-415-11	CARBON	680	5%	1/4W
R39	1-249-409-11	CARBON	220	5%	1/4W
R40	1-249-441-11	CARBON	100K	5%	1/4W
R41	1-249-415-11	CARBON	680	5%	1/4W
R42	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref.No.	Part No.	Description			
R44	1-249-431-11	CARBON	15K	5%	1/4W
R45	1-249-437-11	CARBON	47K	5%	1/4W
R46	1-249-441-11	CARBON	100K	5%	1/4W
R47	1-249-429-11	CARBON	10K	5%	1/4W
R101	1-249-441-11	CARBON	100K	5%	1/4W
R102	1-249-441-11	CARBON	100K	5%	1/4W
R103	1-249-441-11	CARBON	100K	5%	1/4W
R104	1-249-441-11	CARBON	100K	5%	1/4W
R105	1-249-401-11	CARBON	47	5%	1/4W
R106	1-249-429-11	CARBON	10K	5%	1/4W
R107	1-249-425-11	CARBON	4.7K	5%	1/4W
R109	1-249-417-11	CARBON	1K	5%	1/4W
R110	1-249-417-11	CARBON	1K	5%	1/4W
R111	1-249-429-11	CARBON	10K	5%	1/4W
R112	1-249-413-11	CARBON	470	5%	1/4W
R113	1-249-413-11	CARBON	470	5%	1/4W
R114	1-249-417-11	CARBON	1K	5%	1/4W
R115	1-249-395-11	CARBON	15	5%	1/4W
R116	1-249-424-11	CARBON	3.9K	5%	1/4W
R117	1-247-880-11	CARBON	110K	5%	1/4W
R118	1-249-441-11	CARBON	100K	5%	1/4W
R119	1-249-441-11	CARBON	100K	5%	1/4W
R120	1-247-690-11	CARBON	15	5%	1/4W
R121	1-247-690-11	CARBON	15	5%	1/4W
R122	1-249-437-11	CARBON	47K	5%	1/4W
R123	1-249-441-11	CARBON	100K	5%	1/4W
R124	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R125	1-249-417-11	CARBON	1K	5%	1/4W
RV2	1-228-790-00	RES, VAR, CARBON 50K (VOLUME)			
RV3	1-228-996-00	RES, ADJ, CARBON 47K			
RV101	1-238-517-11	RES, ADJ, CARBON 100K (FM PRESET FM1)			
RV102	1-238-517-11	RES, ADJ, CARBON 100K (FM PRESET FM2)			
RV103	1-238-517-11	RES, ADJ, CARBON 100K (FM PRESET FM3)			

Ref.No.	Part No.	Description
S1	1-554-509-21	SWITCH, SLIDE (BAND)
S101	1-553-856-00	SWITCH, KEY BOARD (COUNT DOWN TIMER:MINUTE 10)
S102	1-553-856-00	SWITCH, KEY BOARD (COUNT DOWN TIMER:MINUTE 1)
S103	1-553-856-00	SWITCH, KEY BOARD (COUNT DOWN TIMER:START/STOP)
S104	1-553-856-00	SWITCH, KEY BOARD (RADIO OFF)
S105	1-553-856-00	SWITCH, KEY BOARD (FM 1)
S106	1-553-856-00	SWITCH, KEY BOARD (FM 2)
S107	1-553-856-00	SWITCH, KEY BOARD (FM 3)
S108	1-553-856-00	SWITCH, KEY BOARD (MANUAL)
S109	1-554-088-00	SWITCH, KEY BOARD (TIME SET:PUSH)
S110	1-554-088-00	SWITCH, KEY BOARD (TIME SET:M)
S111	1-554-088-00	SWITCH, KEY BOARD (TIME SET:H)
S301	1-571-922-11	SWITCH, LEAF (POWER)
SP1	1-503-680-11	SPEAKER
T1	1-236-385-11	ENCAPSULATED COMPONENT
T201	⚠1-449-601-11	TRANSFORMER, POWER
TH1	1-808-831-31	THRMISTOR

ACCESSORY & PACKING MATERIAL

3-750-292-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH)
3-750-292-41	MANUAL, INSTRUCTION (GERMAN,DUTCH,PORTUGUESE,SWEDISH)
*3-897-241-01	CLAMP, CORD
*3-901-584-01	CUSHION (LEFT)
*3-901-585-01	CUSHION (RIGHT)
*3-901-597-01	INDIVIDUAL CARTON
3-902-011-01	SCREW (+B 5X65), FITTING

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-955-509-11

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Audio Group

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